

IN THE CLAIMS:

Please amend Claims 1-3 as follows.

1. (Currently Amended) An image display apparatus for providing multiple parallax images to a single eye of observer, said apparatus comprising:

image display means for displaying a parallax image;

a display optical system for guiding light from said image display means to a position of an exit pupil; and

exit pupil control means for presenting a given image to a given portion of an exit pupil,

wherein a different parallax image, a portion of an optical path of which is overlapped, is presented to an observer through no less than two different portions of the exit pupil in a predetermined time, and wherein the parallax image is recognized at a position farther than said display optical system.

2. (Currently Amended) An image display apparatus according to claim 1, ~~further comprising~~ wherein said:

exit pupil control means ~~for dividing~~ divides the exit pupil into a plurality of areas;

~~wherein said control means controls said image display means and said exit pupil control means.~~

3. (Currently Amended) The image display apparatus according to Claim 1, further comprising image display illumination means divided into a plurality of areas for dividing the exit pupil into a plurality of areas;

~~wherein said control means controls said image display means and said illumination means.~~

4. (Previously Amended) An image display apparatus comprising a pair of image display apparatus of claim 2 or 3 for a right eye and a left eye of an observer.

5. (Previously Amended) The image display apparatus according to Claim 2 or 3, said image display apparatus being mounted on the head of the observer, wherein said exit pupil is fixed at the position of the pupil of the observer.

6. (Previously Amended) The image display apparatus according to Claim 2 or 3, wherein said exit pupil is divided into a plurality of areas only in the horizontal direction.

7. (Previously Amended) The image display apparatus according to Claim 2 or 3, wherein said image display means comprises a transmissive spatial light modulator and said exit pupil control means comprises a self-emissive spatial light modulator.

8. (Previously Amended) The image display apparatus according to Claim 2, wherein said image display means comprises a self-emissive spatial light modulator and said exit pupil control means comprises a transmissive spatial light modulator.

9. (Previously Amended) The image display apparatus according to Claim 2 or 3, wherein each of said image display means and said exit pupil control means comprises a transmissive spatial light modulator.

10. (Previously Amended) The image display apparatus according to Claim 2, wherein said exit pupil control means comprises a micro-mirror device.

26. (Previously Added) An image display apparatus according to claim 3, wherein said image display means is of a reflective type.

27. (Previously Added) An image display system comprising:  
the image display apparatus of claim 2 or 3; and  
an image input apparatus,  
wherein the image input apparatus comprises:  
image capture means for capturing an image of an object,  
an imaging optical system for guiding light from the object to said image capture means,  
aperture generating means for dividing a pupil of said imaging optical system into a plurality of apertures, and

control means for controlling said image capture means and said aperture  
generating means to take a parallax image corresponding to the respective aperture of the  
pupil of said imaging optical system,

wherein the aperture has a size no more than half the size of a human pupil and  
can be positioned at one of plural positions within an area substantially equal the size of a  
human pupil.

28. (Previously Added) An image display system according to claim 26,  
wherein, in the imaging optical system of said image input apparatus, a ratio of a distance  
from an optical axis of each aperture formed by said aperture generating means and a size  
of the aperture is substantially equal to a ratio of a distance from an optical axis of each  
corresponding area formed in said display optical system of said image display apparatus  
and a size of area.

29. (Previously Added) An image display system comprising a pair of image  
display systems according to claim 26 for a right eye and a left eye of an observer.

30. (Previously Added) An image display system comprising a pair of image  
display systems according to claim 27 for a right eye and a left eye of an observer.